

## ABSTRACT

This disclosure is to enable the metabolic nutrient d-ribose to be administered as a precursor for ATP for diagnostic use both to determine abnormal heart muscle from normal under stress to detect possible hibernating myocardium and to differentiate the degree of abnormality or hibernating when abnormal hearts are discovered by this or other techniques and in addition to enable a practitioner to determine the amount of de novo d-ribose that would make an improvement in the therapy of ischemic hearts.

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and the *U.S. Fish and Wildlife Service* (USFWS) have issued a joint final rule that will allow the agency to issue permits for the importation of non-native fish and shellfish into the United States.